### **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



16A3



United States
Department of
Agriculture

Agricultural Marketing Service

Volume 14, No. 1 January-March 1986

### Plant Variety Protection Office Official Journal



### PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

The Official Journal, published quarterly, is available from:

Plant Variety Protection Office Agricultural Marketing Service U.S. Department of Agriculture National Agricultural Library Bldg., Rm. 500 Beltsville, Maryland 20705

### CONTENTS

		2105
		PAGE
Applications	Received	4
Certificates	Issued	11
Applications	Amended	26
Certificates	Amended	30
Applications	Abandoned, Withdrawn, Denied or Ineligible	32
General Info	rmation	33

Applications for protection have been filed for the following varieties, each application has been assigned an protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For." application number and will be examined to determine whether the variety is entitled to a certificate of

APPL. NO.	VARIETY	GEN.	APPL. DATE	NAME OF APPLICANT
ALF ALF A 8600065	5444		02/04/86	Pioneer Hi-Bred International, Inc.
9900098	5929		02/04/86	Pioneer Hi-Bred International, Inc.
BARLEY 8600081	81202	(3)	03/17/86	(3) 03/17/86 Busch Agricultural Resources, Inc.
8600082	81201	(3)	(3) 03/17/86	Busch Agricultural Resources, Inc.
8600083	B1601	(3)	(3) 03/17/86	Busch Agricultural Resources, Inc.
8600084	81602	(3)	(3) 03/17/86	Busch Agricultural Resources, Inc.
BEAN, FIELD 8600052 Venture	Venture		01/14/86	01/14/86 Gallatin Valley Seed Co.
8600053	Sunkist		01/14/86	01/14/86 Gallatin Valley Seed Co.
8600075	8600075 Crestwood	(*)	02/18/86	(*) 02/18/86 Gentec, Inc.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

Applications application protection. Protection Approtection Approx	Applications for protection have been filed for the following varieties, each application has been assign application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."	ollowing varie whether the va "Unauthorized	Applications for protection have been filed for the following varieties, each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."
APPL.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
BEAN, FIELD 8600088	Beryl	02/24/86	02/24/86 Rogers Brothers Seed Company
8600089 Felspar	Felspar	02/24/86	Rogers Brothers Seed Company
8600090 Topaz	Topaz	02/24/86	Rogers Brothers Seed Company
BEAN, GARDEN 8600049	, GARDEN 8600049 Earliserve	01/09/86	01/09/86 Musser Seed Co.
8600050	8600050 Landmark	01/09/86	Musser Seed Co.
8600051	8600051 Slenderwax	01/09/86	01/09/86 Musser Seed Co.
8600094	8600094 <xp-b186></xp-b186>	02/27/86	Asgrow Seed Co.
8600095 Bronco	Bronco	02/27/86	02/27/86 Asgrow Seed Co.
9600098	8600096 <xp-b167></xp-b167>	02/27/86	Asgrow Seed Co.
8600097	8600097 <xp-b169></xp-b169>	02/27/86	02/27/86 Asgrow Seed Co.

 <sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
 > Identifies temporary designations. 

Applications for protection have been filed for the following varieties, each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

NAME OF APPLICANT	02/27/86 Asgrow Seed Co.	02/27/86 Asgrow Seed Co.	02/10/86 Sluis & Groot of America, Inc.	02/24/86 Dr. E. Sahin	01/06/86 Pioneer Hi-Bred International, Inc.	03/24/86 DeKalb-Pfizer Genetics	03/24/86 DeKalb-Pfizer Genetics	02/13/86 Delta and Pine Land Company
GEN. APPL.	02/27/86	02/27/86	02/10/86	02/24/86	01/06/86	03/24/86	03/24/86	02/13/86
VARIETY	Sentry	8600099 Podsquad	<\$G 125>	M Santana	PHG29	78002A	4676A	Deltapine 77
APPL. NO.	BEAN, GARDEN 8600098 Sentry	8600098	CAULIFLOWER 8600069	CHRYSANTHEMUM 8600076 Santana	CORN, FIELD 8600047	8600091 78002A	8600092 4676A	COTTON 8600073

6

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

Applications for protection have been filed for the following varieties, each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

		Ē	E					Station	
NAME OF APPLICANT	03/11/86 T. W. Rogers, Sr.	03/19/86 Cargill Incorporated, Seed Division	03/19/86 Cargill Incorporated, Seed Division	02/10/86 Pure-Seed Testing, Inc.	02/24/86 Pure Seed Testing, Inc.	01/02/86 Sluis & Groot Research	01/21/86 Genecorp Technology	(3) 02/10/86 Minnesota Agricultural Experiment Station	02/10/86 Mr. and Mrs. James Corona
GEN. APPL. (*) DATE	03/11/86	03/19/86	03/19/86	02/10/86	02/24/86	01/02/86	01/21/86	02/10/86	02/10/86
GEN.								(3)	
VARIETY	Quapaw D	8600086 Lankart 511	Paymaster HS 26	Aurora	Flyer	Canasta	8600055 <gct 374=""></gct>	Proat	NN 8600072 Corona Italian Red
APPL.	COTTON 8600085 Quapaw D	9800098	8600087	L FESCUE, HARD 8600070 Aurora	FESCUE, RED 8600077	LETTUCE 8600045 Canasta	8600055	<b>OAT</b> 8600074 Proat	ONION 8600072

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

Applications for protection have been filed for the following varieties, each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

	APPL.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT	
	PEA 8600054	8600054 Davhreak	01/14/86	01/14/86 Gallatin Vallev Seed Co.	
			70/11/10	מבו בנו בנו כל ככם כסי	
	8600067	Nomad	02/02/86	Rogers Brothers Seed Co.	
	8600100	8600100 <xp-f175></xp-f175>	02/27/86	Asgrow Seed Co.	
8	PEPPER 8600059	Hidal go	01/21/86	01/21/86 Texas Agricultural Experiment Station	
	PUMPKIN 8600093	Нарру	03/25/86	03/25/86 Jennie Catherine Brush	
	RAD I SH 8600048	Belle Glade	01/13/86	01/13/86 Harris Moran Seed Company	
	RAPE 8600063	: 8600063 Liradonna	3) 01/31/86	(3) 01/31/86 Nickerson American Plant Breeders, Inc.	
	REED CANARYGRASS 8600060 Ven	CANARYGRASS 8600060 Venture	01/21/86	01/21/86 Research Seeds, Inc.	
	(*) To be so	old by variety name only as a class of cer	ified seed.	(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the	

number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

## JANUARY 1, 1986 TO MARCH 31, 1986

Applications for protection have been filed for the following varieties, each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

				Exp. Stn.	ers, Inc.	ers, Inc.	ers, Inc.		
NAME OF APPLICANT	02/10/86 Pure-Seed Testing, Inc.	02/20/86 D. J. van der Have B.V.	01/02/86 Jacob Hartz Seed Company, Inc.	Purdue University Agricultural Exp. Stn. and USDA-ARS	01/21/86 Nickerson American Plant Breeders, Inc.	01/21/86 Nickerson American Plant Breeders, Inc.	01/21/86 Nickerson American Plant Breeders, Inc.	Helena Chemical Company	03/07/86 Identity Seed & Grain Company
GEN. APPL. (*) DATE	02/10/86	02/20/86	01/02/86	01/06/86	01/21/86	01/21/86	01/21/86	02/01/86	03/01/86
GEN (*)									
VARIETY	LENNIAL Jazz	Trimmer	Hartz 6383R	Regal	AP 2190	AP 3023	AP 4321	Sampson	Hawkson
APPL. NO.	RYEGRASS, PERENNIAL 8600071 Jazz	8600078 Trimmer	SOYBEAN 8600044	8600046	8600056 AP 2190	8600057	8600058	8900098	8600079

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

JANUARY 1, 1986 TO MARCH 31, 1986 APPLICATIONS RECEIVED

Applications for protection have been filed for the following varieties, each application has been assigned an protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For." application number and will be examined to determine whether the variety is entitled to a certificate of

		ers, Inc.
NAME OF APPLICANT	01/27/86 Northrup King Co.	03/10/86 Nickerson American Plant Breeders, Inc
APPL. DATE	01/27/86	03/10/86
GEN. (*)		(3)
VARIETY	RMELON 8600061 <nv 4301=""></nv>	N Celtic
APPL. NO.	WATERMELON 8600061	WHEAT, COMMON 8600080 Celtic

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. 

< > Identifies temporary designations.

OWNER	01/31/86 Nickerson American Plant Breeders, Inc.	Expo' most closely resembles the variety 'Apollo'. 'Expo' differs from 'Apollo' by its higher level of resistance to spotted alfalfa aphid biotype H (highly resistant vs. resistant).	02/28/86 Nickerson American Plant Breeders, Inc.	t than 'Armor'. 'Thunder' has
NAME OF OWNER	Nickerson A	differs fro tant vs. res	Nickerson A	fall dorman
GEN. ISSUE	01/31/86	lo'. 'Expo' highly resis	02/28/86	der' is more
		sely resembles the variety 'Apol'spotted alfalfa aphid biotype H (		'Thunder' is most similar to 'Armor', but 'Thunder' is more fall dormant than 'Armor'. 'Thunder' has
T. VARIETY	NLFA 8100066 Expo	Expo' most clo resistance to s	8200037 Thunder	'Thunder' is mo
NO.	ALFALFA 8100		8200	

'Inunder' is most similar to 'Armor', but 'Inunder' is more fall dormant than 'Armor'. 'Inunder' ha fall dormancy equivalent to 'Ranger', whereas 'Armor' is somewhat less fall dormant than 'Saranac'.

### 8200155 Lindy

(3) 02/28/86 Nickerson American Plant Breeders, Inc.

Lindy' is most similar to 'Steptoe'; however, 'Lindy' has a lax head and hairs cover the rachis whereas 'Steptoe' has a middense head and only a few hairs are on the edge of its rachis. 'Lindy' has a few teeth (barbs) on the lateral veins of the lemma and at boot stage its flag leaf is perpendicular to the stem. 'Steptoe' has numerous teeth on the lateral veins of the lemma and its flag leaf is recurved at boot stage.

(3) 02/28/86 Nickerson American Plant Breeders, Inc.

8200157 Teton

(barbs) on the lateral and marginal nerves of the lemma whereas 'Steptoe' has non-waxy leaves and numerous teeth on the lateral nerves of the lemma. The rachis of 'Teton' is covered with hairs and at boot its flag leaf is perpendicular to the stem, whereas the rachis of 'Steptoe' has few hairs on the Teton' most closely resembles 'Steptoe'; however, 'Teton' has slightly waxy leaves and few teeth edge and its flag leaf is recurved at boot.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. 

GEN. ISSUE NAME OF OWNER (*) DATE	03/31/86 Rogers Brothers Seed Co.	'Opal' is most similar to 'Sanilac'; however, 'Opal' is an indeterminate semi-vine with resistance to strains BV 1 and NY 15 of bean common mosaic virus whereas 'Sanilac' is a determinate bush with resistance to only the BV 1 strain of bean common mosaic virus.	(3) 01/31/86 Sacramento Valley Milling, Inc.	'Lassen' is most similar to 'Sacramento'. However, 'Lassen' has white, semi-glossy seed and white flowers whereas 'Sacramento' has light red, glossy seed and lavender flowers.	02/28/86 Gallatin Valley Seed Co.	'Slimgym' is most similar to 'Galagreen', but has darker pod color (141C vs. 144A using the Royal Hort. Soc. Color Chart.)	02/28/86 Gallatin Valley Seed Co.	'Benton' is most similar to 'Galagreen', but 'Benton' has fewer seeds per pod (7 vs. 8), smaller seeds (29 vs 32 grams per 100 seed), darker green pods, and has no tendency to produce pods in split sets, as does 'Galagreen'.	02/28/86 Jacklin Seed Company	'Classic' most closely resembles 'Fylking'; however, 'Classic' reaches anthesis 5 days later than 'Fylking'. 'Classic' has hairs on its ligules and sheath margins, but 'Fylking does not.	(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
CERT. VARIETY NO.	BEAN, FIELD 8300041 Opal	'Opal' is most similar to 'Sanilac'; however, 'Opal' is an inde' strains BV 1 and NY 15 of bean common mosaic virus whereas 'San' resistance to only the BV 1 strain of bean common mosaic virus.	8500164 Lassen	'Lassen' is most similar to 'Sacrament flowers whereas 'Sacramento' has light	BEAN, GARDEN 8300047 Slimgym	'Slimgym' is most similar to 'Galagree Soc. Color Chart.)	8300048 Benton	'Benton' is most similar to 'Galagreen (29 vs 32 grams per 100 seed), darker does 'Galagreen'.	BLUEGRASS, KENTUCKY 8500016 Classic	'Classic' most closely resembles 'Fylk 'Fylking'. 'Classic' has hairs on its	(*) To be sold by variety name only as a class of certified seed. A number withithe the number of generations of certified seed permitted beyond breeder's seed.

NAME OF OWNER	01/31/86 Pure-Seed Testing, Inc.	'Challenger' most closely resembles 'Majestic'; however, 'Challenger' is 7 cm taller (55 vs 48 cm), and has a brighter, darker green color (RHC 135A vs 136B) than 'Majestic'.	03/31/86 Pure-Seed Testing, Inc.	'Able I' most closely resembles 'Nugget'; however, 'Able I' is taller (53 vs 26 cm), matures 6 days later, and has a darker green color (136A vs 135A RHC) than 'Nugget'.	01/31/86 Van Engelen Zaden B.V.	'Julia' most closely resembles 'Merion' Kentucky bluegrass; however, 'Julia' heads 4 days earlier and is taller (82.4 vs 71.4 cm) than 'Merion'. 'Julia' has an erect growth habit and 'Merion' is semi-prostate.	03/31/86 Sluis & Groot Research	'SG 111' is most similar to 'Snowball Y'; however, 'SG 111' leaves are more petioled (25% vs 15%) and SG 111' has darker green leaves than 'Snowball Y' (RHS color chart 139-B vs 138-B).	02/28/86 The Standard Oil Co.	SX-5-11' is most similar to the tetraploid varieties 'SX-4-2', 'SX-4-4', 'SX-5-6', and 'SX-6-3'; however, 'SX-5-6' has pink anthers, dark green leaves, and red cobs whereas 'SX-4-2' and 'SX-5-6' have yellow anthers, 'SX-4-4' has light green leaves, and 'SX-6-3' has white cobs.
I SSUE DATE	01/31/86	owever, 'Ch 36B) than '	03/31/86	, 'Able I' RHC) than	01/31/86	bluegrass; as an erect	03/31/86	, 'SG 111' ' (RHS colo	02/28/86	ies 'SX-4-2 aves, and r and 'SX-6-3
(*)		'Challenger' most closely resembles 'Majestic'; however, 'Challenger' has a brighter, darker green color (RHC 135A vs 136B) than 'Majestic'		losely resembles 'Nugget'; however a darker green color (136A vs 135A		osely resembles 'Merion' Kentucky 71.4 cm) than 'Merion'. 'Julia' h		is most similar to 'Snowball Y'; however, 'SG 111' leaves are more petioled has darker green leaves than 'Snowball Y' (RHS color chart 139-B vs 138-B).		t similar to the tetraploid variet 5' has pink anthers, dark green le 'SX-4-4' has light green leaves,
VARIETY	GRASS, KENTUCKY 8500082 Challenger	allenger' mos a brighter,	8500113 Able I	le I' most cl er, and has a	Julia	lia' most clo ler (82.4 vs	SG 111	'SG 111' is most 'SG 111' has dan	, FIELD 8400110 SX-5-11	5-11' is most ever, 'SX-5-6 low anthers,
CERT.	BLUEGRASS, KENTUCKY 8500082 Challe	'Ch has	8500113	'Ab lat	8500212 Julia	Ju tal	CAULIFLOWER 8500151	98. 86.	CORN, FIELD 8400110	SX- how yel

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

UE NAME OF OWNER	02/28/86 The Standard Oil Co.	'SX-4-2' is most similar to the tetraploid varieties 'SX-4-4', 'SX-5-6', 'SX-5-11', and 'SX-6-3'; however, 'SX-4-2', has pink glumes, 7 tassel branches, 18 kernel rows, and yellow anthers whereas 'SX-4-4' has yellow glumes, 'SX-5-6' has 14 tassel branches, 'SX-5-11' has 14 kernel rows and 'SX-6-3' has pink anthers.	01/31/86 Pioneer Hi-Bred International, Inc.	'PHG71' is most similar to 'AG32Ht'; however, 'PHG71' reaches the 50% silk stage later than 'AG32Ht' (1510 vs 1450 heat units) and 'PHG71' plants are shorter than 'AG32Ht' plants (188 vs 225 cm).	03/31/86 Holden's Foundation Seeds, Inc.	'LH93' most closely resembles 'B77'; however, 'LH93' anther glumes are green with brown margins whereas 'B77' anther glumes are green with purple margins (Munsell Color Charts 5YR 6/8 vs 5RP 4/8).	03/31/86 The Standard Oil Co.	s 'SX-5-6', 'SX-5-11', 'SX-5-9-1-2', yellow anther glumes, whereas 'SX-5-6', r glumes and 'SX-5-13' has 20 tassel branches	03/31/86 The Standard Oil Co.	SX-4-33-4-2' is most similar to the tetraploid varieties 'SX-4-2', 'SX-4-4', 'SX-4-16-2', and SX-4-32-1'; however, 'SX-4-33-4-2' has pink anthers.	ed. A number within parentheses indicates ond breeder's seed.
. ISSUE DATE	02/2	ties ' nches, es, 'S	01/3	HG71' short	03/3	H93'a s (Mun	03/3	rietie 3' has anthe	03/3	variet hers w	ied se ed bey
VARIETY GEN.	SX-4-2	2' is most similar to the tetraploid varie rr, 'SX-4-2', has pink glumes, 7 tassel bra illow glumes, 'SX-5-6' has 14 tassel branch	HG71	' is most similar to 'AG32Ht'; however, 'P vs 1450 heat units) and 'PHG71' plants are	Н93	LLH93' most closely resembles 'B77'; however, 'LH93' anther glumes are green with brown marg 'B77' anther glumes are green with purple margins (Munsell Color Charts 5YR 6/8 vs 5RP 4/8).	SX-5-13-3	'SX-5-13-3' is most similar to the tetraploid varieties 'SX-5-6', 'SX-5-11', 'SX-5-9-1-2', 'SX-5-14-1-2', and 'SX-5-18'; however, 'SX-5-13-3' has yellow anther glumes, whereas 'SX-5-6' 'SX-5-11', 'SX-5-9-1-2', and 'SX-5-18' have pink anther glumes and 'SX-5-13' has 20 tassel brwhereas 'SX-5-14-1-2 has 12 tassel branches.	8500047 SX-4-33-4-2	'SX-4-33-4-2' is most similar to the tetraploid varieties 'SX-4-2', 'SX-4-4', 'SX-4-16-2', and 'SX-4-32-1'; however, 'SX-4-33-4-2' has pink anthers whereas these other varieties have yellow	(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
CERT.	CORN, FIELD 8400117	'SX-4-2' however, has yell anthers.	8400157 PHG71	'PHG7] (1510	8500038 LH93	,LH93,	8500046	. SX-5- . SX-5- . SX-5- . SX-5-	8500047	* SX-4-	(*) To be sold the numbe

CERT.	VARIETY	GEN.	ISSUE DATE	NAME OF OWNER
CORN, FIELD 8500048	, FIELD 8500048 SX-4-16-2		03/31/86	03/31/86 The Standard 0il Co.
'SX. 'SX. wher	'SX-4-16-2' is most similar to the tetraploid varieties 'SX-4-2', 'SX-4-4', 'SX-4-32-1', and 'SX-4-33-4'; however, 'SX-4-16-2' has white cobs, light green husks, and an ear height of whereas, 'SX-4-2' and 'SX4-33-4-2' have red cobs, 'SX-4-32-1' has dark green husks, and 'SX an ear height of 120 cm.	id vari te cobs ed cobs	eties 'SX- light gr 'SX-4-32	'SX-4-16-2' is most similar to the tetraploid varieties 'SX-4-2', 'SX-4-4', 'SX-4-32-1', and 'SX-4-33-4-2'; however, 'SX-4-16-2' has white cobs, light green husks, and an ear height of 105 cm whereas, 'SX-4-2' and 'SX4-33-4-2' have red cobs, 'SX-4-32-1' has dark green husks, and 'SX-4-4' ha an ear height of 120 cm.
8500049	8500049 SX-4-32-1		03/31/86	03/31/86 The Standard Oil Co.
××××××××××××××××××××××××××××××××××××××	SX-4-32-1' is most similar to the tetraploid varieties 'SX-4-2', 'SX-4-4', 'SX-4-16-2' and 'SX-4-33-4-2'; however, 'SX-4-32-1' has white cobs and dark green husks whereas 'SX-4-2' and 'SX-4-33-4-2' have red cobs and 'SX-4-4' and 'SX-4-16-2' have light green husks.	id vari te cobs d'SX-4	eties 'SX- and dark -16-2' hav	4-2', 'SX-4-4', 'SX-4-16-2' and green husks whereas 'SX-4-2' and e light green husks.
8500086 DJ7	DJ7		02/28/86	02/28/86 Edward J. Funk & Sons, Inc.
'DJ; thar	'DJ7' is most similar to 'B73'; however, 'D than 'B73'.	J7' she	ds pollen	'DJ7' is most similar to 'B73'; however, 'DJ7' sheds pollen 2 days earlier, and silks 2-3 days earlie than 'B73'.
8500152 PHG83	PHG83		02/28/86	02/28/86 Pioneer Hi-Bred International, Inc.
, рн 1207	'PHG83' is most similar to Pioneer inbred ' '207' has red glumes and silks.	207'; h	owever, 'P	'PHG83' is most similar to Pioneer inbred '207'; however, 'PHG83' has green glumes and silks whereas '207' has red glumes and silks.
(*) To be so	(*) To be sold by variety name only as a class of certified seed. A number withithe number of generations of certified seed permitted beyond breeder's seed.	ertifie	1 seed. A beyond br	A number within parentheses indicates breeder's seed.

TY GEN. ISSUE NAME OF OWNER (*) DATE	02/28/86 Dunn Seed Farms, Inc.	'Dunn 325' most closely resembles 'Dunn 118', 'Dunn 119', 'Dunn 120' and 'Dunn 224'; however, 'Dunn 325' has open bolls whereas 'Dunn 118', 'Dunn 119', 'Dunn 120' and 'Dunn 224' have storm resistant bolls.	01/31/86 Dunn Seed Farms, Inc.	'Dunn 109' most closely resembles 'Dunn 118, 'Dunn 119' 'Dunn 120' and 'Dunn 224'; however 'Dunn 109' has extremely storm resistant bolls whereas 'Dunn 118', 'Dunn 119', 'Dunn 120' and 'Dunn 224' have average storm resistant bolls.	01/31/86 Dunn Seed Farms, Inc.	'Dunn 1047' most closely resembles 'Dunn 118', 'Dunn 119', 'Dunn 120' and 'Dunn 224'; however 'Dunn 1047' matures 13 to 18 days earlier than 'Dunn 118', 'Dunn 119', 'Dunn 120' and 'Dunn 224'.	01/31/86 Dunn Seed Farms, Inc.	Dunn 1002' most closely resembles 'Dunn 118', 'Dunn 119', 'Dunn 120' and 'Dunn 224'; however, 'Dunn 1002' seeds germinate 2 to 4 days sooner than those of 'Dunn 118', 'Dunn 119', 'Dunn 120' and 'Dunn 224'.	e 112 02/28/86 Stoneville Pedigreed Seed Company, Inc.	'Stoneville 112' most closely resembles 'Stoneville 213'; however, 'Stoneville 112' plants are 12 cm shorter (120 vs 132 cm) than 'Stoneville 213'.
VARIETY	Dunn 325	n 325' most open bolls	Dunn 109	109' most extremely s ige storm r	8500090 Dunn 1047	1047' mos matures 1	8500091 Dunn 1002	'Dunn 1002' mos 1002' seeds geri 224'.	8500162 Stoneville 112	eville 112 er (120 vs
CERT.	COTTON 8500088 Dunn 325	'Dunn has o	8500089 Dunn 109	'Dunn has e avera	8500090	'Dunn 1047'	8500091	'Dunn 1002' 224'.	8500162	'Ston short

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. 

CERT. VARIETY NO.	GEN.	ISSUE NAME OF OWNER DATE	1
FESCUE, CHEWINGS 8400152 Wilma	(2)	(2) 02/28/86	
'Wilma' most closely resembles 'Koket'; however, 'Wilma' has shorter plants (75 vs 78cm) and shorter panicles (11 vs 12cm) than 'Koket'.	er, '	ilma' has shorter plants (75 vs 78cm)	and
FESCUE, HARD 8500214 Spartan		02/28/86 Pickseed West, Inc.	
'Spartan' is most similar to 'Scaldis'; however, 'Spartan' heads 2 days earlier and is shorter (89 vs 96cm) than 'Scaldis'.	er,	partan' heads 2 days earlier and is s	horter (89 vs
FESCUE, MEADOW 8400049 First		02/28/86 Snow Brand Seed Co., Japan	
'First' most closely resembles 'Trader'; however, 'First' heads 4-5 days earlier and has heavier seed (2360 vs 1960 mg/1000 seed) than 'Trader'.	ver,	First' heads 4-5 days earlier and has	heavier seed
FESCUE, TALL 8500084 Astro		03/31/86 Pure-Seed Testing, Inc.	
'Astro' most closely resembles 'Falcon' and 'Finelawn I'; however, 'Astro' matures 3 days earlier and has a darker green leaves (RHC 137A vs 137B) than 'Falcon'. 'Astro' is 5 cm shorter at maturity and has a darker green leaves (RHC 137A vs 137C) than 'Finelawn I'.	Finel than than	wn I'; however, 'Astro' matures 3 day Falcon'. 'Astro' is 5 cm shorter at m Finelawn I'.	s earlier and aturity and
8500100 Bonanza		03/31/86 Pure-Seed Testing, Inc.	
'Bonanza' most closely resembles 'Apache'; however, 'Bonanza' matures 4 days later and has a darker green leaves (RHC 131A VS 136A) than 'Apache'.	wever	'Bonanza' matures 4 days later and h	as a darker
(*) To be sold by variety name only as a class of certified seed. A number within the number of generations of certified seed permitted beyond breeder's seed.	tifie	seed. A number within parentheses indicates beyond breeder's seed.	ndicates

	Company	brown patch (7% vs		to crown rust and		ngerine' has	riment Station	ttering percentage t lodging resistance	'n.	r seeds (32 vs 34 g has larger seeds (32	ses indicates
NAME OF OWNER	03/31/86 The O. M. Scott & Sons Company	'Chesapeake' most closely resembles 'Falcon' but 'Chesapeake' is more resistant to brown patch (7% vs 30% of turf damaged) than 'Falcon'.	03/31/86 Ag Tech, Inc.	'Safe' most closely resembles 'Kenhy' and 'Johnstone'; however, 'Safe' is resistant to crown rust and powdery mildew whereas 'Kenhy' and 'Johnstone' are susceptible to these diseases.	02/28/86 Ernst Benary, W. Ger.	'Mini-Star Tangerine' is most similar to 'Mini-Star Yellow'; however, 'Mini-Star Tangerine' has tangerine has	(2) 03/31/86 Oregon Agriculture Experiment Station	Mermaid' most closely resembles 'Foamore'; however, 'Mermaid' has a lower seed shattering percentage (4.6 vs 13.5 %), a lighter seed weight (7.13 vs 7.71 g/100 seed), and a better plant lodging resistance (2.3 vs 4.0 where 5= severe) than 'Foamore'.	(3) 03/31/86 Cebeco-Handelsraad, Neth.	'Belinda' is most similar to 'Flavanda' and 'Paloma'; however, 'Belinda' has smaller seeds (32 vs 34 per 100 seeds) and shorter straw length (71 vs 83 cm) than 'Flavanda' and 'Belinda' has larger seeds vs 29 g per 100 seeds) and flowers 3 days earlier than 'Paloma'.	(*) To sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
GEN. ISSUE (*) DATE	03/31/86	ıt 'Chesapeake	03/31/86	stone'; howev are susceptib	02/28/86	Star Yellow'; '' has yellow	9) 03/31/86	rever, 'Mermai 5 7.71 g/100 s	3) 03/31/86	lloma'; howeve 83 cm) than ' er than 'Palc	ified seed. A
(*E		y resembles 'Falcon' bu n 'Falcon'.		'Safe' most closely resembles 'Kenhy' and 'Johnstone'; however, 'Safe' is resist powdery mildew whereas 'Kenhy' and 'Johnstone' are susceptible to these diseases		most similar to 'Mini- ereas 'Mini-Star Yellow	(2	esembles 'Foamore'; hower seed weight (7.13 vsere) than 'Foamore'.	(3	'Delinda' is most similar to 'Flavanda' and 'Paloma'; however, per 100 seeds) and shorter straw length (71 vs 83 cm) than 'Flovs 29 g per 100 seeds) and flowers 3 days earlier than 'Paloma'	obe sold by variety name only as a class of certified seed. A number within the number of generations of certified seed permitted beyond breeder's seed.
VARIETY	UE, TALL 8500161 Chesapeake	Chesapeake' most closely resembles 30% of turf damaged) than 'Falcon'.	Safe	e' most closely resem lery mildew whereas 'K	NIA SPLENDENS 8400100 Mini-Star Tangerine	ii-Star Tangerine' is Jerine ray florets whe	Mermaid	Mermaid' most closely resembles 'Foamore'; (4.6 vs 13.5 %), a lighter seed weight (7.1 (2.3 vs 4.0 where 5= severe) than 'Foamore'	Belinda	inda' is most similar 100 seeds) and shorte 39 g per 100 seeds) an	old by variety name on ther of generations of
CERT.	FESCUE, TALL 8500161	, Che 30%	8600039 Safe	'Saf powd	GAZANIA SPLENDENS 8400100 Mini	'Min tang	MEADOWFOAM 8500166	, Mer (4.6 (2.3	PEA 8500013	'Bel per vs 2	(*) To be so the num

		'Carpo'.		ilt race 5		01' seeds eds are		f fusarium o'.		ium wilt, 'Goya'.
NAME OF OWNER	(3) 03/31/86 Cebeco-Handelsraad, Neth.	gins flowering 3 days earlier than	03/31/86 L. D. Maffei Seed Co., Inc.	MF-502' is resistant to fusarium wi	03/31/86 L. D. Maffei Seed Co., Inc.	et 11' and 'Sprite'; however 'MC-2C' , 'Early Sweet 11' and 'Sprite' sec	02/28/86 Asgrow Seed Co.	r, 'Goya' is resistant to race 1 of later to first flower than 'Utrillo	02/28/86 Asgrow Seed Co.	r, 'Utrillo' is resistant to fusari days earlier to first flower than '
ISSUE	03/31/86	thello' be	03/31/86	lowever,	03/31/86	Early Swe' Alsweet'	02/28/86	o'; howeve 3-4 days	02/28/86	a'; howeve o' is 3-4
GEN.	(3)	ver, 10		rant'; e.		weet', oth and		'Utrill oya' is		nd 'Goy'
VARIETY	8500015 Othello	'Othello' is most similar to 'Carpo'; however, 'Othello' begins flowering 3 days earlier than 'Carpo'.	8500087 MF-502	'MF-502' is most similar to 'Puget' and 'Grant'; however, 'MF-502' is resistant to fusarium wilt race 5 whereas 'Puget' and 'Grant' are susceptible.	8500097 MC-201	'MC-201' is most similar to 'Alaska', 'Alsweet', 'Early Sweet 11' and 'Sprite'; however 'MC-201' seeds are dimpled whereas 'Alaska' seeds are smooth and 'Alsweet', 'Early Sweet 11' and 'Sprite' seeds are wrinkled.	) Goya	'Goya' most closely resembles 'Rondo' and 'Utrillo'; however, 'Goya' is resistant to race 1 of fusarium Wilt whereas 'Rondo' is susceptible and 'Goya' is 3-4 days later to first flower than 'Utrillo'.	8500131 Utrillo	'Utrillo' most closely resembles 'Rondo' and 'Goya'; however, 'Utrillo' is resistant to fusarium wilt, race I whereas 'Rondo' is susceptible and 'Utrillo' is 3-4 days earlier to first flower than 'Goya'.
NO.	8500015	104	8500087	'MF whe	8500097	'MC are	8500130 Goya	'Go wil	8500131	'Ut rac
	PEA									

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

	CERT.	VARIETY	GEN.	ISSUE DATE	NAME OF OWNER
PEA	8500132 Saber	La Caracteria de la Car		02/28/86 As	02/28/86 Asgrow Seed Co.
	'Saber' whereas	'Saber' most closely resembles 'Nugget'; however 'Saber' has pointed po whereas 'Nugget' has blunt pods and bears a maximum or 2 pods per node.	ver '	Saber' has <sub>l</sub> m or 2 pods	'Saber' most closely resembles 'Nugget'; however 'Saber' has pointed pods and bears 3 to 4 pods per node whereas 'Nugget' has blunt pods and bears a maximum or 2 pods per node.
	8500133 Leah			02/28/86 A	02/28/86 Asgrow Seed Co.
	'Leah' i of fusar 'Grant'	Leah' is most similar to 'Puget', 'Dante', of fusarium wilt whereas 'Puget' is susceptiblero race 5.	ind 'G	rant': howev races 5 and	'Leah' is most similar to 'Puget', 'Dante', and 'Grant': however; 'Leah' is resistant to races 5 and 6 of fusarium wilt whereas 'Puget' is susceptible to race 6; and 'Grant' is susceptible to race 5.
	8500134 Citadel	adel		01/31/86 As	01/31/86 Asgrow Seed Co.
	'Citadel whereas	'Citadel' is most similar to 'Mini 93'; however, 'Citadel' i whereas 'Mini 93' is a canning type having light green peas.	er, '(	Citadel' is reen peas.	'Citadel' is most similar to 'Mini 93'; however, 'Citadel' is a freezer type having dark green peas whereas 'Mini 93' is a canning type having light green peas.
RYE(	RYEGRASS, PERENNIAL 8200044 Goalie	JAL Tie		01/31/86 No	01/31/86 Northrup King Co.
	'Goalie' to 9 cm	'Goalie' is most similar to 'Pennfine'; howev to 9 cm shorter than 'Pennfine'.	er, '(	Goalie' flo	'Goalie' is most similar to 'Pennfine'; however, 'Goalie' flowers from 6 to 13 days later and is from 4 to 9 cm shorter than 'Pennfine'.
SAF	SAFFLOWER 8500065 Oker		(*)	02/28/86 Me	(*) 02/28/86 Montana Agricultural Experiment Station
	'Oker' i whereas	'Oker' is most similar to 'S-208'; however, 'Oker' seeds have a predominately purple striped hull whereas 'S-208' seeds have a predominatly white normal hull.	Oker' te no	seeds have rmal hull.	a predominately purple striped hull
*	To be sold by the number	(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.	tifie	d seed. A Description	number within parentheses indicates eder's seed.

NAME OF OWNER	01/31/86 Lynnville Seed Co.	r, 'Riverside 303C' plants are 9 cm shorter	03/31/86 Jacques Seed Company	s purple flowers and tan hila whereas 'Swift'	03/31/86 Asgrow Seed Co.	is susceptible to Phytophthora rot whereas	02/28/86 King Grain U.S.A., Inc.	seeds are three grams per 100 lighter and its	02/28/86 King Grain U.S.A., Inc.	natures two days earlier and its plants are 8	02/28/86 King Grain U.S.A., Inc.	as seeds with yellow hila whereas 'Hodgson 78'	A number within parentheses indicates breeder's seed.
ISSUE	01/31/8	; howeve	03/31/8	3287' ha	03/31/8	A4271	02/28/8	'KG30'	02/28/8	'KG20'	02/28/8	'KG70' h	ed seed. d beyond
CERT. VARIETY GEN.	SOYBEAN 8400035 Riverside 303C	'Riverside 303C' is most similar to '90339-30435'; however, 'Riverside 303C' plants are 9 cm shorter than '90339-30435' plants.	8400080 J-8287	'J-8287' is most similar to 'Swift'; however, 'J-8287' has purple flowers and tan hila whereas 'Swift' has white flowers and black hila.	8400150 A4271	'A4271' most closely resembles 'Union'; however, 'A4271' is susceptible to <u>Phytophthora</u> rot whereas 'Union' is resistant.	8500022 KG30	'KG30' is most similar to 'Maple Arrow'; however, 'KG30' seeds are three grams per 100 lighter and its plants are six centimeters shorter than 'Maple Arrow'.	8500023 KG20	'KG20' is most similar to 'Maple Amber'; however, 'KG20' matures two days earlier and its plants are 8 cm shorter than 'Maple Amber'.	8500024 KG70	'KG70' is most similar to 'Hodgson 78'; however, 'KG70' has seeds with yellow hila whereas 'Hodgson 78' has seeds with buff hila.	(*) To be sold by variety name only as a class of certified seed. A number the number of generations of certified seed permitted beyond breeder's

		s are 17 cm			Inc.	e 105' has	Inc.	6 grams per	Inc.	ers whereas whereas
NAME OF OWNER	01/31/86 Land O' Lakes, Inc.	es 20 days earlier and its plants	01/31/86 Land O' Lakes, Inc.	es 14 days earlier than 'L4104'.	02/28/86 Pioneer Hi-Bred International,	has buff hila whereas "Deltapine	02/28/86 Pioneer Hi-Bred International,	ller seeds than 'Ozzie' (14 vs 16	02/28/86 Pioneer Hi-Bred International, Inc.	; however, '9691' has white flowe race 3 of soybean cyst nematode
ISSUE DATE	01/31/86	71' matur	01/31/86	30' matur	02/28/86	°, '9591'	02/28/86	has sma	02/28/86	oine 506' istant to
GEN.		, 'L17		, 'L23		помече		19061		Delta is res
CERT. VARIETY NO.	EAN 8500140 L1771	'L1771' is most similar to 'L4104'; however, 'L1771' matures 20 days earlier and its plants are 17 cm shorter than 'L4104'.	8500141 L2330	'L2330' is most similar to 'L4104'; however, 'L2330' matures 14 days earlier than 'L4104'.	8500143 9591	'9591' is most similar to 'Deltapine 105'; however, '9591' has buff hila whereas "Deltapine 105' has imperfect black hila.	8500144 9061	'9061' is most similar to 'Ozzie'; however, '9061' has smaller seeds than 'Ozzie' (14 vs 16 grams per 100 seeds).	8500145 9691	'9691' is most similar to 'Centennial' and 'Deltapine 506'; however, '9691' has white flowers whereas 'Centennial' has purple flowers and '9691' is resistant to race 3 of soybean cyst nematode whereas 'Deltapine 506' is susceptible.
CERT.	SOYBEAN 8500		8500		8500		8500		8500	

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. 

CERT. VARIETY NO.	GEN.	ISSUE Date	NAME OF OWNER
SOYBEAN 8500146 9791		02/28/86	02/28/86 Pioneer Hi-Bred International, Inc.
'9791' is most similar to 'Braxton' and 'Deltapine 417'; however, '9791' has gray pube 'Braxton' has tawny pubescence and '9791' matures 4 days earlier than 'Deltapine 417'.	Deltapine matures	417'; hor 4 days ear	'9791' is most similar to 'Braxton' and 'Deltapine 417'; however, '9791' has gray pubescence whereas 'Braxton' has tawny pubescence and '9791' matures 4 days earlier than 'Deltapine 417'.
8500156 A1525		03/31/86	03/31/86 Asgrow Seed Co.
'A1525' most closely resembles 'Hodgson 78' and 'A1564'; however, 'A1525' has yellow hila whereas 'Hodgson 78' has buff hila and 'A1525' plants are 8 cm shorter than 'A1564' plants (80 vs 88cm).	8' and 'A ants are	(1564°; ho 8 cm shor	wever, 'A1525' has yellow hila whereas ter than 'A1564' plants (80 vs 88cm).
TOWATO 8500030 Tioga 850001 (Company 8500030 Tioga Souple Soup Company 8500030 Tioga is most similar to 'UC82B': however, 'Tioga' has higher total solids (5.8% fruit size (60g vs 54g) and a thinner outer fruit wall (6mm vs 9mm) than 'UC82B'.	er, 'Tiog er fruit	03/31/86 ja' has hi wall (6mm	Campbell Soup Company gher total solids (5.8% vs 5.1%), larger vs 9mm) than 'UG82B'. Camphell Institute for Research and
WHEAT, COMMON 8300030 Scotty	(3)	01/31/86	(3) 01/31/86 Illinois Agricultural Experiment Station and ARS-USDA
'Scotty' is most similar to 'Arthur', one of its parents; however, 'Scotty' has purple coleoptiles whereas the coleoptiles of 'Arthur' are white. 'Scotty' is very resistant and 'Arthur' is suscept to the races of powdery mildew prevalent at Urbana, Illinois.	of its phite. 'S	cotty' is	'Scotty' is most similar to 'Arthur', one of its parents; however, 'Scotty' has purple coleoptiles whereas the coleoptiles of 'Arthur' are white. 'Scotty' is very resistant and 'Arthur' is susceptible to the races of powdery mildew prevalent at Urbana, Illinois.
8300042 Jesse	(3)	02/28/86	(3) 02/28/86 Nickerson American Plant Breeders, Inc.
'Jesse' is most similar to 'Newton' and ' that of 'Newton' (3.8 mm) and shorter tha (58.0) than 'Hawk' (56.8) and 'Newton' (5	Hawk'; ho n that of 7.2).	wever, the 'Hawk' (	'Jesse' is most similar to 'Newton' and 'Hawk'; however, the beak of 'Jesse' is longer (4.6 mm) than that of 'Newton' (3.8 mm) and shorter than that of 'Hawk' (7.8 mm). 'Jesse' has a greater test weight (58.0) than 'Hawk' (56.8) and 'Newton' (57.2).

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

JE NAME OF OWNER	(3) 03/31/86 Coker's Pedigreed Seed Co.	'Feland' most closely resembles 'Coker 68-15'; however, 'Feland' averages 9 cm taller than 'Coker 68-15' and is resistant to the races of powdery mildew prevalent at Hartsville, South Carolina, whereas 'Coker 68-15' is not.	01/31/86 Rohm and Haas Seeds, Inc.	'715' is most similar to 'Era'; however, '715' has longer beaks than 'Era' (8-11 vs 4-8 mm) and '715' is moderately susceptible to races TNMH and RTQQ of Puccinia graminis f. sp. tritici whereas 'Era' is immune. '715' is moderately resistant to race TNMK of P. graminis f. sp. tritici whereas 'Era' is immune.	(3) 02/28/86 Nickerson American Plant Breeders, Inc.	HR 64' is most similar to 'Vona'; however, 'HR 64' has longer beaks than 'Vona' (6.77 vs 3.64 mm) and 'HR 64' matures 2 days later than 'Vona' (rated 5.5 vs 3.5 on a scale where 1 = earliest and 9 = latest).	(3) 03/31/86 Nickerson American Plant Breeders, Inc.	'HR 53' is most similar to 'Vona'; however, 'HR 53' has a twisted flag leaf and hairs present on its auricles and last rachis internodes whereas the flag leaf of 'Vona' is not twisted and 'Vona' does not have hairs on its auricles or last rachis internodes. 'HR 53' has medium length brush hairs, a narrow seed crease and anthocyanin pigmentation in its auricles; 'Vona' has short brush hairs, a wide seed crease and no anthocyanin in its auricles.	ed. A number within parentheses indicates
ISSUE	03/31	wever, revale	01/31	s long Puccir K of	02/28	4' has .5 vs	03/31	3' has lag le des. uricle	ed see
GEN.	(3)	-15'; ho mildew p		'715' ha RTQQ of   race TNM	(3)	r, 'HR 6 (rated 5	(3)	r, 'HR 5 as the f interno in its a	certifi
CERT. VARIETY NO.	WHEAT, COMMON 8300064 Feland	'Feland' most closely resembles 'Coker 68 and is resistant to the races of powdery 68-15' is not.	8300068 715	'715' is most similar to 'Era'; however, moderately susceptible to races TNMH and immune. '715' is moderately resistant to immune.	8300161 HR 64	'HR 64' is most similar to 'Vona'; howeve 'HR 64' matures 2 days later than 'Vona' latest).	8300162 HR 53	'HR 53' is most similar to 'Vona'; however auricles and last rachis internodes wherea have hairs on its auricles or last rachis seed crease and anthocyanin pigmentation i crease and no anthocyanin in its auricles.	(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

ISSUE NAME OF OWNER DATE	(3) 01/31/86 Nickerson American Plant Breeders, Inc.	'Buckshot' is most similar to 'Era'; however, 'Buckshot' is 4.9 cm taller than 'Era' and has longer heads (8.58 vs 6.45 cm) than 'Era'. 'Buckshot' glumes have rounded shoulders whereas glumes of 'Era' have oblique shoulders. 'Buckshot' is 2 days earlier than 'Era' and has longer (26 vs 24 cm) leaves than 'Era'.	01/31/86 Pioneer Hi-Bred International, Inc.	'2165' is most similar to 'Sturdy'; however, '2165' has an erect flag leaf at boot and is resistant to races GP, A and B of Hessian fly whereas 'Sturdy' has a recurved flag leaf at boot and is susceptible to races GP, A and B of Hessian fly.	01/31/86 Pioneer Hi-Bred International, Inc.	'2157' is most similar to 'Sturdy'; however, '2157' has erect flag leaves at booting and is resistant to races GP, A, B and C of Hessian fly whereas 'Sturdy' has recurved flag leaves at booting and is susceptible to races GP, A, B and C of Hessian fly.	01/31/86 Pioneer Hi-Bred International, Inc.	'2172' is most similar to 'TAM W-101'; however, '2172' is resistant to races GP, A and C of Hessian fly whereas 'TAM W-101' is susceptible. '2172' averages 3 cm shorter than 'TAM W-101' and is 2 to 3 days earlier in heading than 'TAM W-101'. Also, '2172' has a more erect leaf habit at booting than does 'TAM W-101'.
GEN. IS	) 01/3	Bucksh glume: arlier	01/3	165'ha y'has	01/:	157' ha urdy' l fly.	01/3	'2172 rages (72' ha
CERT. VARIETY GEI	WHEAT, COMMON 8400014 Buckshot (3	'Buckshot' is most similar to 'Era'; however, 'Buckshot' is 4.9 cm taller than 'Era' and has longer heads (8.58 vs 6.45 cm) than 'Era'. 'Buckshot' glumes have rounded shoulders whereas glumes of 'Era' have oblique shoulders. 'Buckshot' is 2 days earlier than 'Era' and has longer (26 vs 24 cm) leaves than 'Era'.	8400026 2165	'2165' is most similar to 'Sturdy'; however, '2 races GP, A and B of Hessian fly whereas 'Sturd' races GP, A and B of Hessian fly.	6400027 2157	'2157' is most similar to 'Sturdy'; however, '2157' races GP, A, B and C of Hessian fly whereas 'Sturdy susceptible to races GP, A, B and C of Hessian fly.	8400043 2172	'2172' is most similar to 'TAM W-101'; however, whereas 'TAM W-101' is susceptible. '2172' averearlier in heading than 'TAM W-101'. Also, '21: W-101'.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

Information concerning the varieties below has been published previously in the Official Journal's list of "APPLICATIONS RECEIVED." During the examination process, the applicant requested this information to be amended as indicated below.

APPL. VAR. NO. BEAN, GARDEN 8400037 Mikado Name of appli	VARIETY (  do  pplicant changed from Agrigenetics Cc	GEN. APPL. (*) DATE 01/09/84 orporation, Ve	L. VARIETY  (*) DATE  (*) OATE  (*) DATE  (*) OATE  (*) DATE  (*) OATE  (*) DATE  (*) DATE  (*) OATE  (*)
Ulvision of A Variety with	Division of Agrigenetics. Variety with temporary designation of AVX 450 named 'Mikado'.	named 'Mikado	
8500137 Laureat		04/30/85	04/30/85 Asgrow Seed Co.
Variety with	Variety with temporary designation of XP-B158 named 'Laureat'.	named 'Laurea	
CORN, FIELD 8400111 SX-4-21		05/25/84	05/25/84 The Standard Oil Co.
Variety with	Variety with temporary designation of X-4-21 named 'SX-5-13-3'.	named 'SX-5-13	-3'.
8400112 X-6-7		05/25/84	05/25/84 The Standard Oil Co.
Variety with	Variety with temporary designation of X-6-7 named 'SX-6-7'.	.'7-6-X2' bame	
8400113 SX-6-10		05/25/84	05/25/84 The Standard Oil Co.
Variety with	Variety with temporary designation of X-6-10 named 'SX-6-10'.	named 'SX-6-10	

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

as indicated below.  APPL. VARIETY GEN. APPL. NAME OF APPLICANT	X-5-6	Variety with temporary designation of X-5-6 named 'SX-5-6'.	5 SX-4-5 05/25/84 The Standard 0il Co.	Variety with temporary designation of X-4-5 named 'SX-4-5'.	6 SX-4-4	Variety with temporary designation of X-4-4 named 'SX-4-4'.	8 SX-6-3 05/25/84 The Standard Oil Co.	Variety with temporary designation of X-6-3 named 'SX-6-3'.	4 SX-5-18 01/24/85 The Standard Oil Co.	
as indicated below. APPL. VAF	CORN, FIELD 8400114 X-5-6	Variety with	8400115 SX-4-5	Variety with	8400116 SX-4-4	Variety with	8400118 SX-6-3	Variety with	8500044 SX-5-18	

(\*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. Variety with temporary designation of X-5-9-1-2 named 'SX-5-9-1-2'.

01/24/85 The Standard 0il Co.

8500045 SX-5-9-1-2

<sup>27</sup> 

Information concerning the varieties below has been published previously in the Official Journal's list of "APPLICATIONS RECEIVED." During the examination process, the applicant requested this information to be amended as indicated below.

NAME OF APPLICANT	01/24/85 The Standard Oil Co.	6-15-2-1'.	01/24/85 The Standard Oil Co.	5-14-1-2'.	08/02/85 International Seeds, Inc.		02/22/84 Genecorp Technology	Sal 210'.	10/02/84 Genecorp Technology	rt Queen.'
GEN. APPL. (*) DATE	01/24/85	amed 'SX-	01/24/85	amed 'SX-	08/02/85		02/22/84	med 'Van	10/02/84	med 'Dese
VARIETY GEN.	, FIELD 8500050 SX-6-15-2-1	Variety with temporary designation of X-6-15-2-1 named 'SX-6-15-2-1'.	8500051 SX-5-14-1-2	Variety with temporary designation of X-5-14-1-2 named 'SX-5-14-1-2'.	UE, TALL 8500184 Southland	Name changed from 'Marathon' to 'Southland'	UCE 8400054 VAN SAL 210	Variety with temporary designation of $<6$ CT $210>$ named 'Van Sal $210'$ .	8500003 Desert Queen	Variety with temporary designation of <gct 179=""> named 'Desert Queen.'</gct>
APPL.	CORN, FIELD 8500050	Vari	8500051	Vari	FESCUE, TALL 8500184	Name	LETTUCE 8400054	Vari	8500003	Vari

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

Information concerning the varieties below has been published previously in the Official Journal's list of "APPLICATIONS RECEIVED." During the examination process, the applicant requested this information to be amended as indicated below.

Ш		od from 2 to 3.
APPLICA	nc.	d change
NAME OF APPLICANT	(3) 02/13/84 Sogetal, Inc.	eeder's see
APPL. DATE	02/13/84	beyond bre
GEN. /	(3)	permitted
VARIETY	r, COMMON 8400047 <is-8314></is-8314>	Number of generations of certified seed nermitted beyond breeder's seed changed from 2 to 3.
APPL.	HEAT, COMMON 8400047	Numb

Number of generations of certified seed permitted beyond breeder's seed changed from 2 to 3.

(3) 02/13/84 Sogetal, Inc.

< > Identifies temporary designations.

8400048 <IS-8322>

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

### CERTIFICATES AMENDED JANUARY 1, 1986 TO MARCH 31, 1986

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Directions and Rules of Practice under the Direction of the Directions and Rules of Practice under the Directions and Rules of Practice under the Direction of the Directions and Rules of Practice under the Direction of the Direction

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.	lance v ety Po	With sector	nons 180.103, 180.122, and 180.130 of the Act.
CERT. VARIETY G	GEN.	ISSUE	NAME OF OWNER
CORN, FIELD 8400110 SX-5-11	0	2/28/86	02/28/86 The Standard Oil Co.
Variety with temporary designation of X-5-11 named 'SX-5-11'.	amed	. SX-5-11	
8400117 SX-4-2	0	5/28/86	02/28/86 The Standard Oil Co.
Variety with temporary designation of X-4-2 named 'SX-4-2'.	med '	SX-4-2'.	
8500046 SX-5-13-3	ŏ	3/31/86	03/31/86 The Standard Oil Co.
Variety with temporary designation of X-5-13-3 named 'SX-5-13-3'.	name	1 'SX-5-	3-3'.
8500047 SX-4-33-4-2	ö	3/31/86	03/31/86 The Standard Oil Co.
Variety with temporary designation of X-4-33-4-2 named 'SX-4-33-4-2'.	-2 nar	-XS' bəm	-33-4-2'.
8500048 SX-4-16-2	ö	3/31/86	03/31/86 The Standard Oil Co.
Variety with temporary designation of SX-4-16-2 named 'SX-4-16-2'.	.2 nam	-4-XS' be	.16-2'.

Variety with temporary designation of X-4-32-1 named 'SX-4-32-1'.

8500049 SX-4-32-1

03/31/86 The Standard 0il Co.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

### JANUARY 1, 1986 TO MARCH 31, 1986 CERTIFICATES AMENDED

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

NAME OF OMNER	Harnish-Brinker Seed/First Interstate Bank of Arizona
. ISSUE DATE	06/24/74 H
VARIETY GEN.	Winterhaven
CERT.	LETTUCE 7400015

Name of owner changed from Harnish-Brinker Seed/Marvins Seed to Harnis-Brinker Seeds/L. Marvin Rouhotas to Harnish-Brinker Seeds/Charles R. Scroggs and Louis Didier to Harnish-Brinker Seeds/First Interstate Bank of Arizona.

07/21/83 Northrup King Co. 8200138 Musketeer MUSKMELON

Campbell Soup Company Campbell Institute for Research and **Technology** Name of owner changed from Goldsmith Seeds, Inc. to Northrup King Co. 03/31/86

8500030 Tioga

Variety with temporary designation of CX 8309 was named 'Tioga'.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE JANUARY 1, 1986 TO MARCH 31, 1986

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act. Varieties published in this list may possibly be protected under the Patent Act.

VARIETY	Duke	Mercury	Acclaim	Castleroyal
APPL.NO.	8100065	8100068	8300153	8300044
KIND	ALFALFA	ALFALFA	BARLEY	TOMATO

< > Identifies temporary designations.

### GENERAL INFORMATION

### Corrections to Previous Journal.

Volume 13 No. 4 page 13 incorrectly described 'Early Sweet 41' as having marbled stipules and leaflets. The correct novelty statement is as follows:

8500042 Early Sweet 41

10/31/85 Pure Line Seeds, Inc.

'Early Sweet 41' most closely resembles 'Early Sweet 5'; however, 'Early Sweet 41' is double and triple flowered whereas 'Early Sweet 5' is single flowered. 'Early Sweet 41' stipules and leaflets are not marbled whereas 'Early Sweet 5' are marbled.

**<sup>☆</sup>U.S. GOVERNMENT PRINTING OFFICE: 1986-490-917:20455/AMS** 



United States
Department of Agriculture
Agricultural Marketing Service
Warehouse & Seed Division
Washington, D.C. 20250

OFFICIAL BUSINESS Penalty for Private Use, \$300





Postage and Fees Paid
United States
Department of Agriculture
AGR-101

THIRD CLASS